Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended) A method for predicting measurement data until a final time-point using given measurement data, comprising ~~the steps of~~:

a) matching, using a processor, a stochastic process to said given measurement data;

b) running simulation runs of said stochastic process from a given time-point until said final time-point;

c) determining forecast measurement data for each simulation run; and

d) predicting measurement data by stating a range of values, which is determined by said forecast measurement data, and providing said predicted measurement data as useable output.

Claim 2 (Currently Amended) The method as claimed in claim 1, further comprising ~~the steps of~~:

determining a confidence range for said prediction of measurement data; and

eliminating a lowest percentage and a highest percentage forecast measurement data.

Claim 3 (Previously Amended) The method as claimed in claim 2, wherein the lowest and highest percentages are equal values.

Claim 4 (Previously Amended) The method as claimed in claim 1, wherein said stochastic process is a non-homogeneous Poisson process.

Claim 5 (Previously Amended) The method as claimed in claim 1, wherein said measurement data represents numbers of errors.

Claim 6 (Currently Amended) A method for predicting measurement data using given measurement data, comprising ~~the steps of~~:

a) matching, using a processor, a stochastic process to said given measurement data;

b) sorting probability values generated by said stochastic process according to size, to provide a range around an expected value; and

c) predicting measurement data within limits of said range, and providing said predicted measurement data as useable output.

Claim 7 (Currently Amended) The method as claimed in claim 6, further comprising ~~the steps of~~:

sorting said probability values generated by said stochastic process symmetrically by size around said expected value.

Claim 8 (Previously Amended) An arrangement for predicting measurement data until a final time-point using given measurement data, comprising:

a processor unit, having a CPU, bus, memory, and input/output controller, configured in such a way that:

a) simulation runs of the stochastic process can be carried out from a give time-point until the final time-point;

b) forecast measurement data can be determined for each simulation run; and

c) measurement data is predicted by stating a range of values, which is determined by said forecast measurement data, said measurement data being output in a useable form.

Claim 9 (Previously Amended) An arrangement for predicting measurement data using given measurement data, comprising:

a processor unit, having a CPU, bus, memory, and input/output controller, configured in such a way that:

a) a stochastic process can be matched to the given measurement data;

b) a range can be ascertained by sorting probability values generated by said stochastic process according to size around an expected value; and

c) said measurement data is predicted within the limits of the range, said measurement data being output in useable form.